

48W 60x60cm LED Panel 60x60cm OSRAM chip 5280Lm

Product codes:

Reference: PN48W



Product features:

Power (W): 48
Power source (V): 85-265V
Color temperature CCT: 4000K
Color temperature CCT: 6000K
LED: SMD2835
LED chip brand: OSRAM
Luminous efficacy (Lm/W): 110
LED diode efficiency (Lm/W): 160
Brightness (Lm): 5280
CRI: +85
Colour: White
IP: IP20
Luminous angle: 120°
Frequency (Hz): 50-60Hz
Power factor: 0.95
Measures (mm): 595x595x35
Material: Aluminum + PC
Operating temperature: -20°C ~ +55°C
Energy efficiency 2021: A+
Energy efficiency 2023: F
Lifespan: 50.000h
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Color temperature CCT (°K): Cool white 6000K, Natural white 4000K

Product description:

LED Panel 60x60cm 48W IP20 5280Lm The **LED Panel** 60x60cm 48W is an efficient and modern lighting solution, with an IP20 rating, ideal for those seeking professional and high-quality lighting. With a luminous flux of 5280 lumens and a backlight system, it guarantees clear and uniform illumination. Equipped with high-brightness OSRAM SMD2835 chips, this panel includes a high-quality external driver that offers flicker-free and noise-free lighting.

The **LED panel** has a luminous angle of 120° and a CRI > 85, ensuring excellent color reproduction. Its dimensions are 595x595x35mm, with a greater thickness than slim panels, making it more rigid and robust. It offers a power factor > 0.95, ensuring its energy efficiency.

Technical Specifications

- **Material:** Aluminum and PC
- **Power:** 48W
- **Luminous Flux:** 5280 lumens
- **Backlight System:** Backlight
- **IP Rating:** IP20
- **Panel Dimensions:** 595x595x35mm

- **Luminous Angle:** 120°
- **Power Factor:** > 0.95
- **CRI:** > 85
- **LED Chip:** High-brightness OSRAM SMD2835
- **Driver:** High-quality external driver

What is a Backlight Panel?

A **backlight panel** is a type of LED panel that has the light source at the base, allowing for a much more uniform and superior light diffusion compared to slim panels. These panels are thicker, more rigid, and robust, offering greater durability. Additionally, they are equipped with a diffuser that does not yellow over time, maintaining light quality throughout their lifespan.

Mounting Methods

The **slim LED panel** allows for 3 mounting methods:

- **Ceiling Tile Mounting:** The most common mounting method. Remove a gypsum board or the old fluorescent fixture, connect the driver to the power supply, and place the LED panel resting on the aluminum profiles. Remember that the panel connects directly to the power supply via the provided driver, and does not need ballasts or chokes.
- **Suspended Mounting:** We have additional accessories such as steel cables to suspend the LED panels from the ceiling (not included in the initial supply, sold separately). This solution is perfect for illuminating specific areas, especially in zones with very high ceilings.
- **Recessed in Plasterboard Ceiling:** Similarly, we have downlight-type clips to place the LED panels in openings made in false plasterboard ceilings. These clips are also sold separately.

Uses and Applications

- **Offices:** Provides clear and uniform lighting, ideal for work environments.
- **Stores:** Improves product visibility and creates a pleasant atmosphere for customers.
- **Homes:** Perfect for kitchens, living rooms, and other areas requiring good lighting.
- **Meeting Rooms:** Offers adequate lighting for meetings and presentations.
- **Schools:** Ensures optimal lighting in classrooms and corridors.
- **Hospitals:** Provides clear and constant light, essential in healthcare environments.

Product gallery:

